

CLAIMS:

Sub A

1. Supporting profile for a system for erecting structures which is provided with longitudinally extending grooves on the outside, which grooves are used for the connection of additional supporting profiles (1, 1a) or structural parts of the construction system, which, in the core area, is provided with a receiving chamber (23) for a turnbuckle, which receiving chamber (23) is integrated in an adapter piece (3) which is inserted in guides pointing toward the interior of the supporting profile (1, 1a) and is axially held by means of securing devices which are inserted in bores penetrating the guides,

characterized in that an end disk (5, 24), which is adapted to the cross-section of the supporting profile (1, 1a), is provided for being placed on at least one open face of the supporting profile and is connected with the adapter piece (3).

2. Supporting profile according to Claim 1,

characterized in that the end disk (24) is constructed as a formed body with a concave recess (25) which is adapted to the external curvature of a round profile.

3. Supporting profile according to Claim 2,

characterized in that the formed body (24) is provided with a passage opening (26) for the guiding-through of a turnbuckle.

4. Supporting profile according to Claim 1,
characterized in that the end disk (5, 5a) is provided with a joint part (9, 11) for the connection with additional profiles.
5. Supporting profile according to Claim 4,
characterized in that the joint part consists of a disk (9) which extends perpendicular to the end disk (5, 5a) and has a center bore (10) and of an additional second disk (9) which is connected with the first disk (9) by means of a bolt (11) acting as an axis of rotation and which is equipped with fastening devices for another profile.
6. Supporting profile according to Claim 5,
characterized in that the second disk (9) is connected with another end disk (5, 5a).
7. Supporting profile according to Claim 5,
characterized in that the second disk 9 is provided with a clamping part (16, 17) for the insertion into one of the longitudinally extending grooves (2) of another supporting profile (1).
8. Supporting profile according to Claim 5,
characterized in that hemispheres (13) are provided for the lateral covering of the disks (9).

9. Supporting profile according to Claim 8,
characterized in that the hemispheres (13) have a center bore (14)
with a thread and, by means of this thread, are screwed onto a thread at the
ends of the bolt (11) penetrating the disks (9).

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